

Fig. 1 [Prior Art]

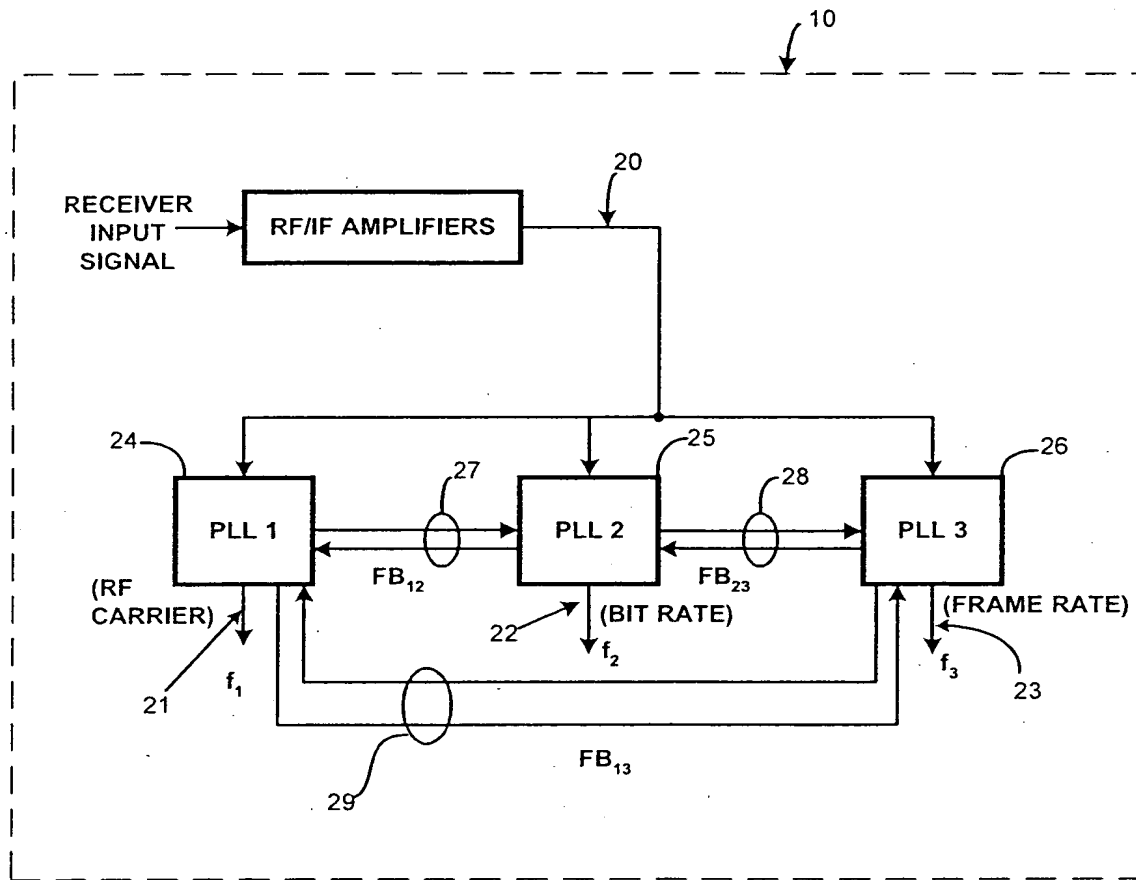


Fig. 2

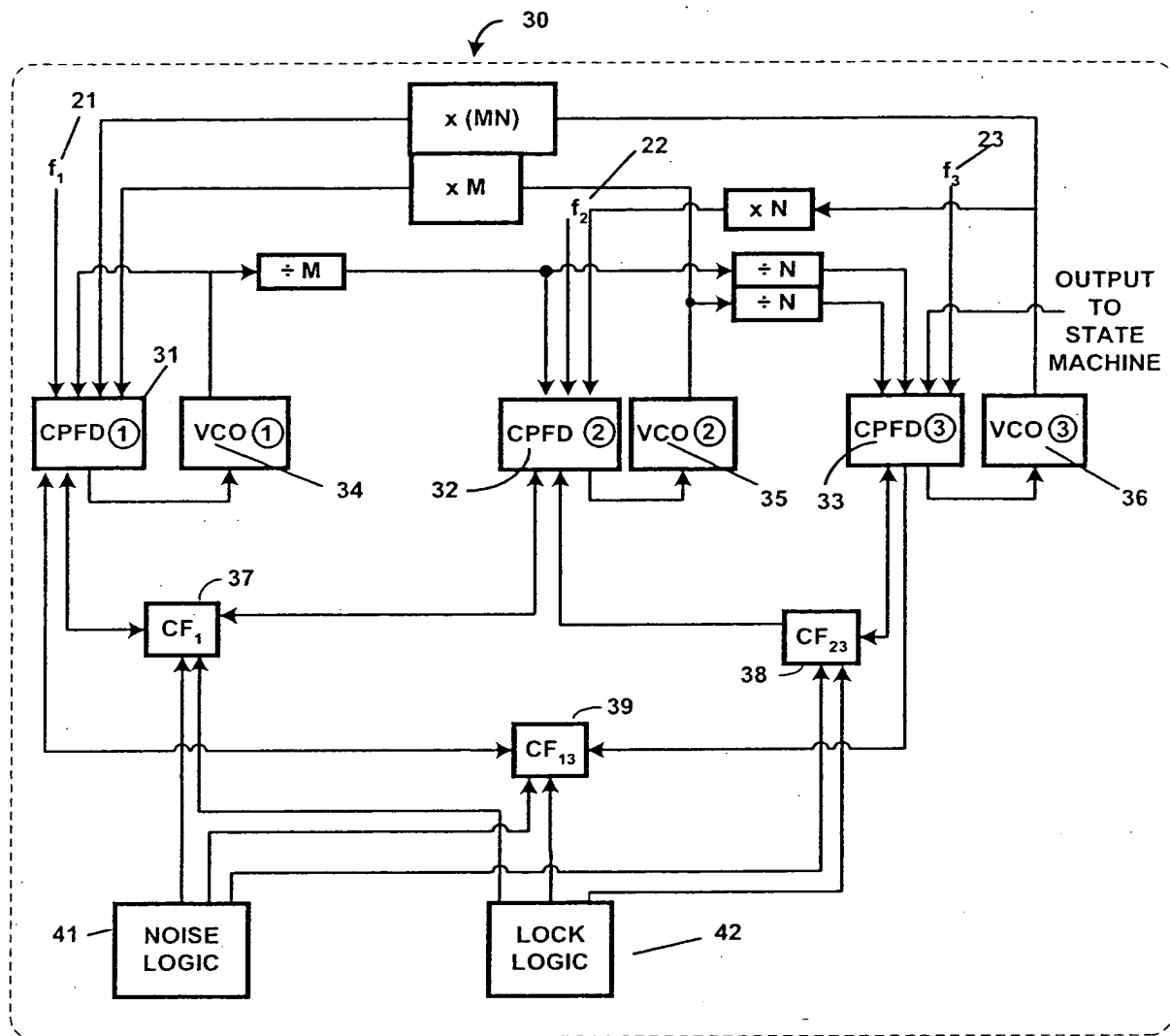


Fig. 3

A	B	XOR
0	0	0
0	1	1
1	0	1
1	1	0

The timing diagram consists of four horizontal waveforms stacked vertically. The first waveform, labeled 'SIGNAL IN', is a square wave. The second waveform, labeled 'COMPARATOR IN', is also a square wave, shifted 90 degrees relative to the first, as indicated by a double-headed arrow and the label '90°'. The third waveform, labeled 'PHASE COMPARATOR 1 XOR OUTPUT', is a square wave with a higher frequency than the first two. The fourth waveform, labeled 'VCO IN', is a sawtooth wave.

Fig. 4 (Prior Art)

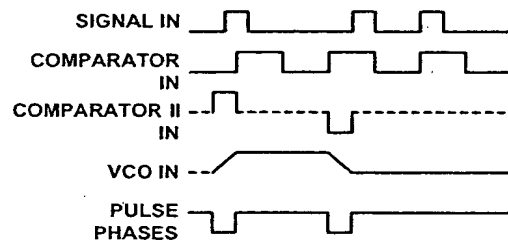
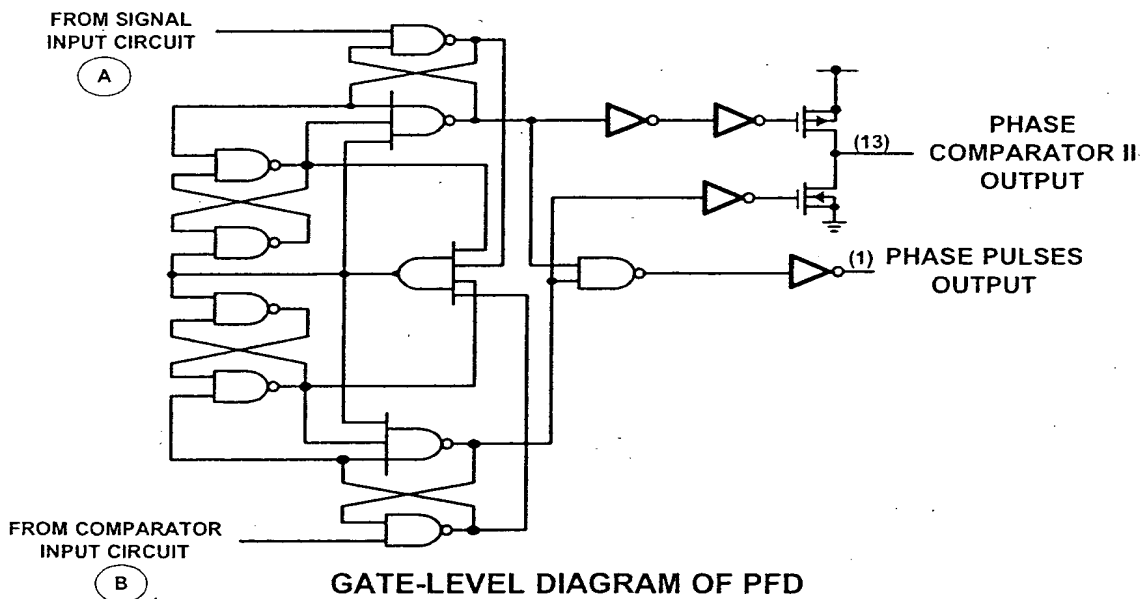
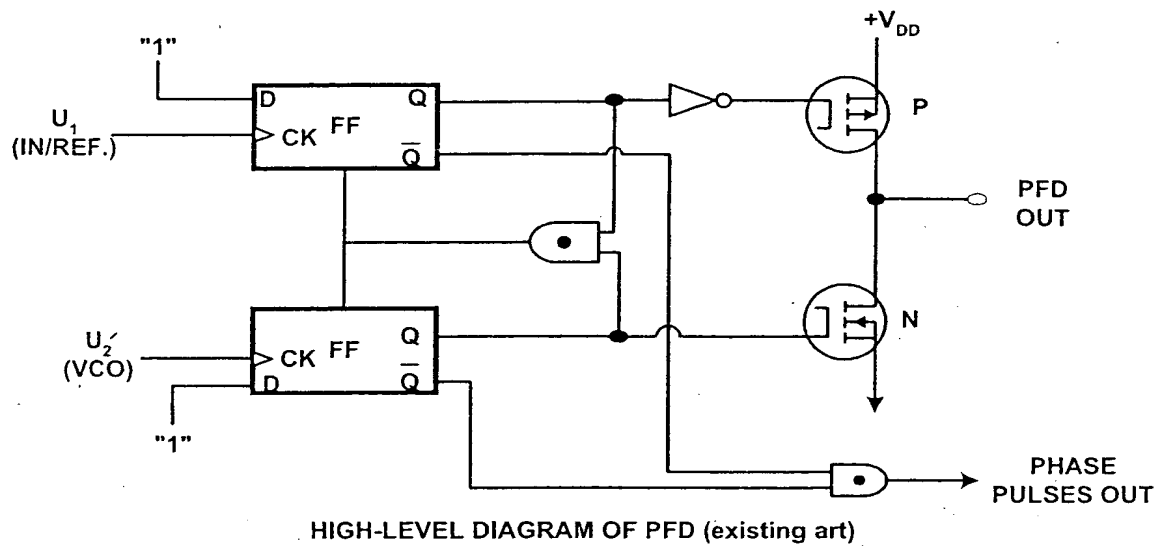


Fig. 4 cont. (Prior Art)

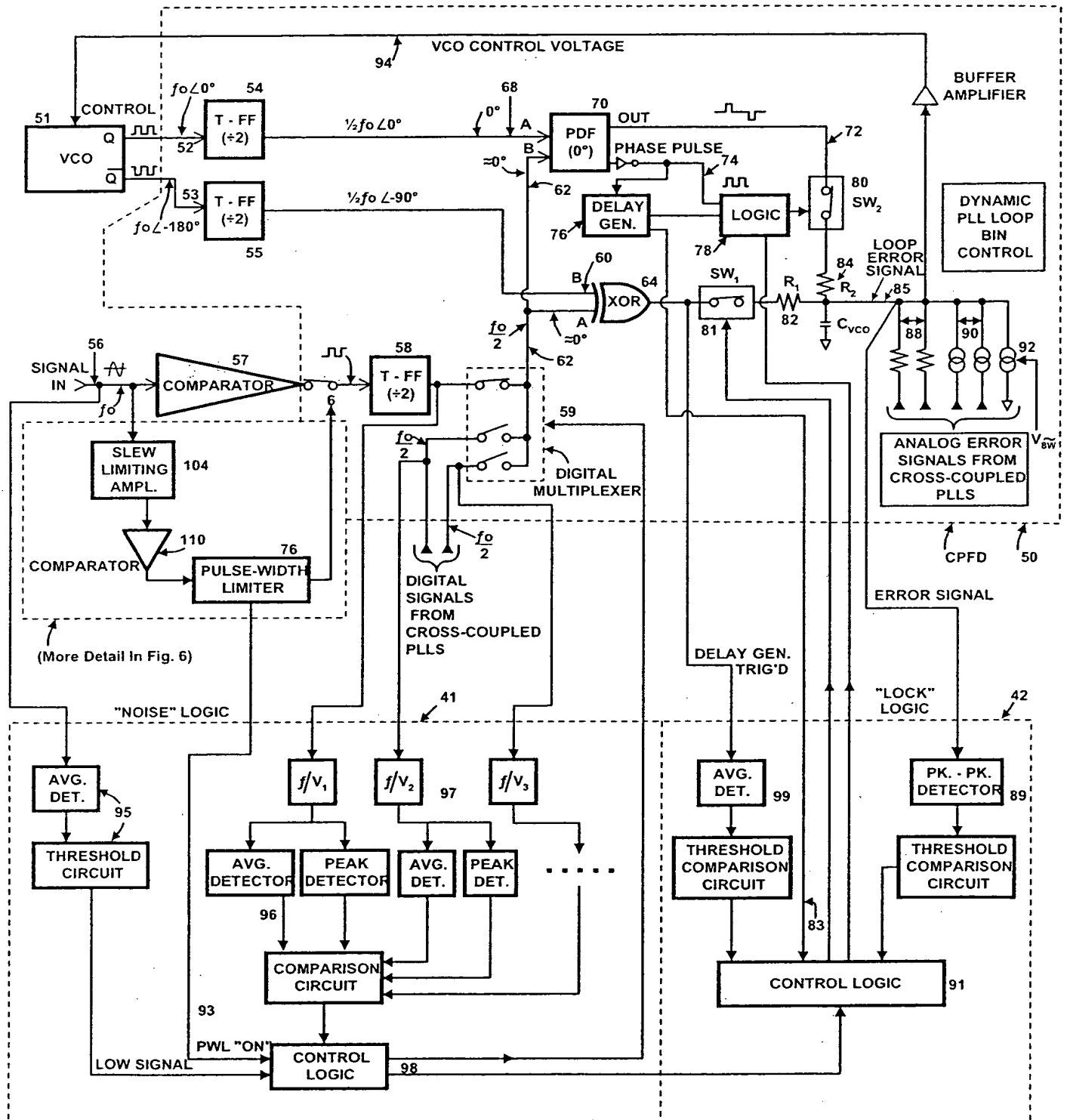


Fig. 5

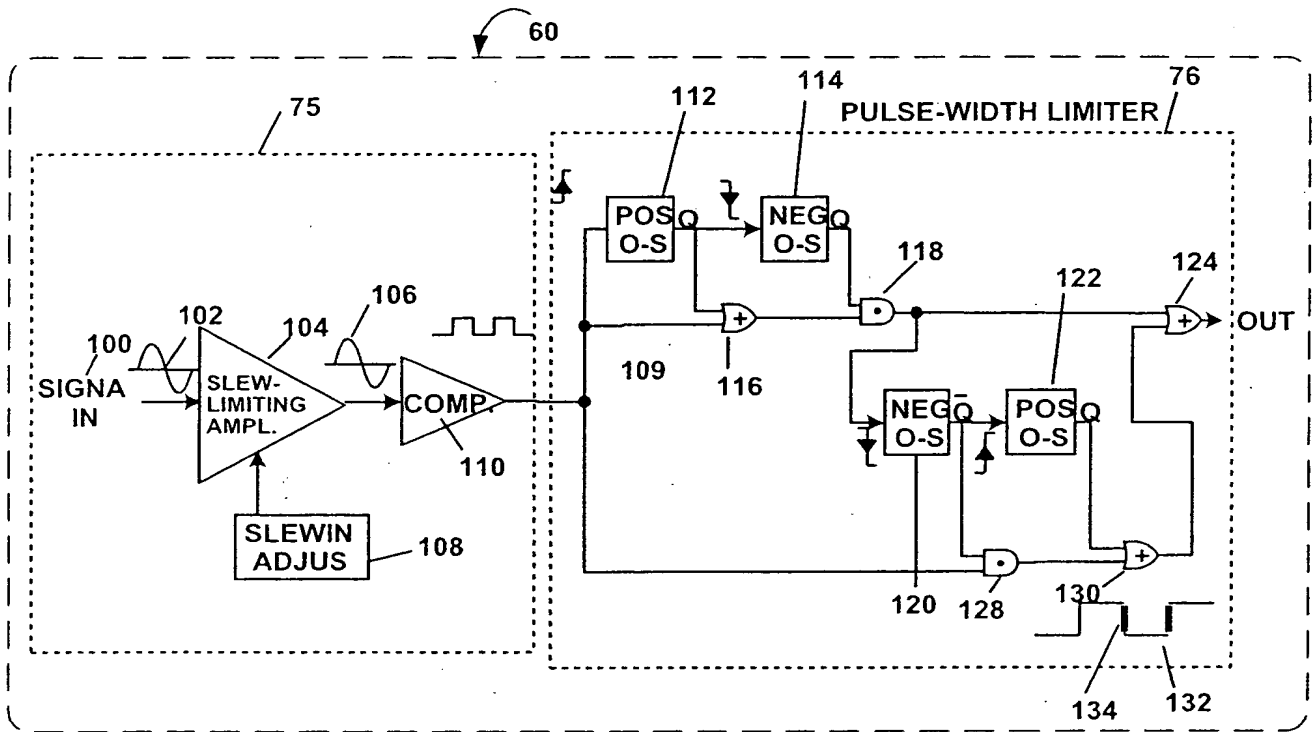


Fig. 6

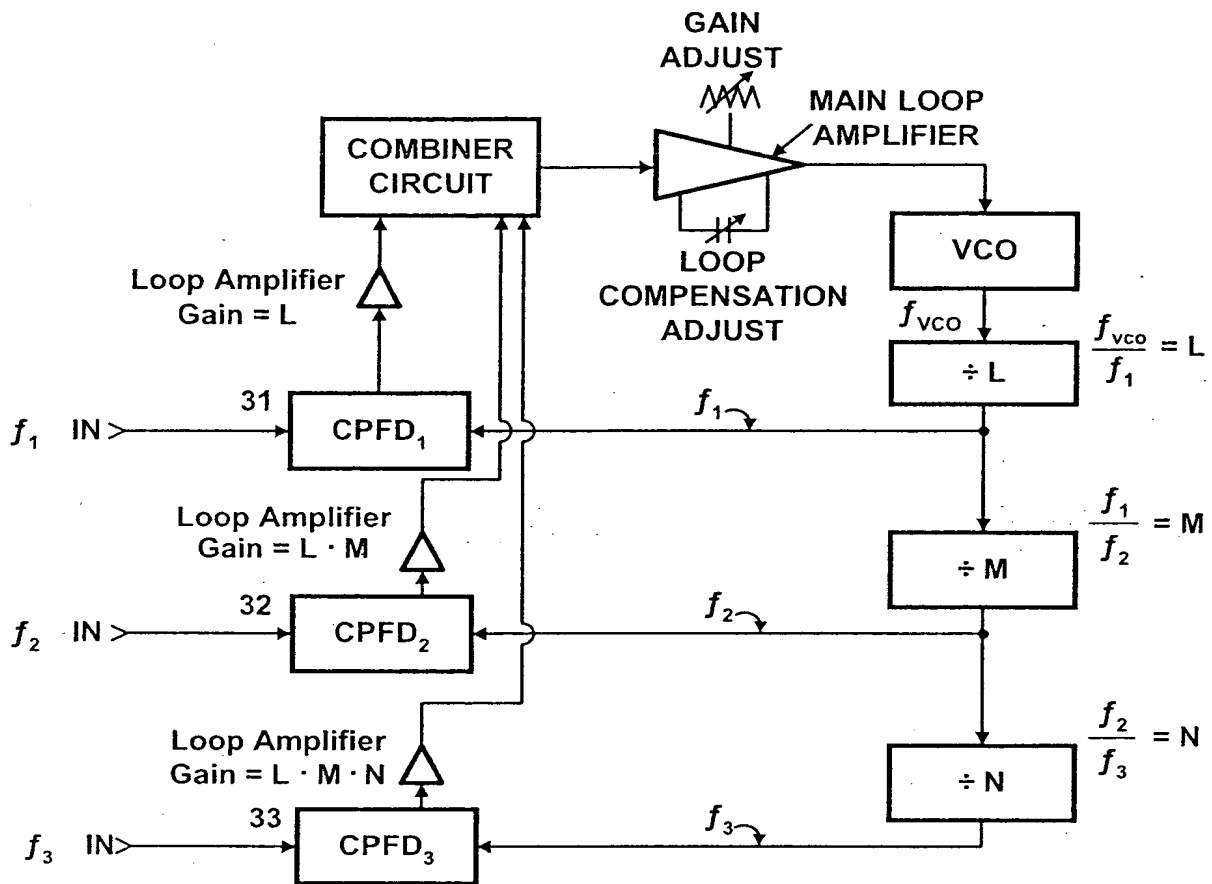


Fig. 7